

REMARKS:

This paper is herewith filed in response to the Examiner's final Office Action mailed on March 12, 2010 for the above-captioned U.S. Patent Application. This Office Action is a rejection of claims 1-10, 13-22, and 25-40 of the application.

The Examiner has rejected claims 1-4, 7, 9-10, 13-16, 19, 21-22, 25-28, and 30-31 under 35 USC 103(a) as unpatentable over Dorenbosch (US6,768,726), in view of Phillips (US6,370,399), further in view of Bright (US7,206,574); rejected claims 5-6, 8, 17-18, 20, 29, and 32 under 35 USC 103(a) as obvious over Dorenbosch, in view of Phillips, further in view of Bright, and further in view of Lim (US 6,349,224); rejected claims 11-12 and 23-24 under 35 USC 103(a) as obvious over Dorenbosch in view of Phillips further in view of Aoki and further in view of Brandenberger (US6,570,782); and rejected claims 32-40 under 35 USC 103(a) as unpatentable over Dorenbosch in view of Phillips further in view of Bright and further in view of Cui (US2004/0204069). The Applicants disagree with the rejections.

Claims 1, 9-10, 13, 17, 21-22, 25, 32-34, 36, and 38-40 have been amended. Support for the amendments can be found at least page 3, line 21 to page 4, line 9; page 4, lines 18-24; page 5, lines 8-22; page 5, line 29 to page 6, line 9; page 6, line 30 to page 7, line 7; and Figure 1 of the Application as filed. No new matter is added.

First, with regards to the Advisory Action dated June 9, 2010 the Applicants respectfully disagree with the Examiner.

Further, although the Applicants do not expressly or impliedly agree with the rejections, the Applicants submit that in order to facilitate the prosecution of this patent application towards allowance each of the independent claims 1, 13, and 25 have been amended in a somewhat similar fashion. For example, claim 1 now recites:

A method, comprising: receiving a command at a mobile station from a

computing device over a local interface between the mobile station and the computing device, where the command places the mobile station into a mode in which a dial-up connection between the mobile station and the computing device is locally terminated at the mobile device without involving any cellular network; establishing an internet protocol connection between the mobile station and the computing device comprising the mobile station assigning an internet protocol address to the computing device and an internet protocol address to the mobile station, and configuring an internet protocol stack at the mobile station, where the internet protocol stack is configured to route packets received via the dial-up connection that is locally terminated at the mobile station to a peer application that is resident in the mobile station; and in response to receiving at the mobile station via the dial-up connection that is locally terminated at the mobile station an internet protocol message from the computing device, routing the internet protocol message received from the computing device to the peer application that is resident in the mobile station, where communications between the mobile station and the computing device occur over the internet protocol connection using the local interface and where the local interface is at least one of a short range infrared, universal serial bus, and bluetooth interface

The Applicants note that in accordance with the exemplary embodiments of the invention an extended command is interpreted by a mobile station to place the mobile station into a terminating dial-up mode of operation in which, for example, a dial-up connection between the the mobile station and a computing device, which is attached to the mobile station via a local interface, is locally terminated at the mobile station without involving a wireless network such as a cellular network. In accordance with the exemplary embodiments of the invention the mobile station is configured to interpret the extended command, so as to configure an internet protocol stack on the mobile station to route internet protocol packets received over the local interface and via the dial-up connection that is locally terminated at the mobile station to a peer application resident in the mobile station.

The Applicants submit that none of the references cited disclose or suggest claim 1.

Dorenbosch

In Dorenbosch the stream control transmission protocol (SCTP) messages are used to support time critical or real time communications from one IP connection on one station to another IP

connection on a different station, such during a handoff of a wireless device (SCTP end-point) to the different station (col. 2, lines 24-53 and col. 4, lines 22-27). Thus, the Applicants submit that the SCTP messages of Dorenbosch, clearly, do not relate to a command that places a mobile station into a mode in which a dial-up connection between a mobile station and a computing device is locally terminated at the mobile device.

Further, the Applicants note that Dorenbosch as cited discloses:

“As an overview, the handoff from the cellular system to the wireless IP network shown in FIG. 2 includes setting up or initiating the first IP connection by informing the gateway 205 of the first IP address, IP A1, 217 using SCTP. Preferably this will be done by the first station 203. Then the method includes communicating a packet data communication, using an application that runs on SCTP, between station B 203 and the gateway using the first IP connection 219 and first IP address 217 for station B through the cellular network where the gateway does address translation and protocol translation, SCTP to or from TCP/UDP, and relays the packet data communication with (to or from) the second station 209,” (emphasis added), (col. 5, lines 43-55).

Thus, it can be seen that operations of Dorenbosch which relate to the SCTP messages, as cited in the rejection, involve the cellular network of Dorenbosch.

The Applicants submit that Dorenbosch does not disclose or suggest at least where claim 1 relates to receiving a command that places a mobile station into a mode in which a dial-up connection between a mobile station and a computing device is locally terminated at the mobile device without involving a cellular network.

Further, the Applicants note that in the rejection the Examiner admits that Dorenbosch “is silent in teaching command from the computing device over a local interface between mobile station and the computing device [and] Dorenbosch is also silent in teaching in response to receiving over the internet protocol connection, an internet protocol message at the mobile station from the computing device, routing the received internet protocol message to an application that is resident in the mobile station,” (pages 3 to 4 of the Office Action).

In addition, the Applicants submit that, for at least these reasons, Dorenbosch does not disclose or suggest at least where claim 1 recites in part:

“configuring an internet protocol stack at the mobile station, where the internet protocol stack is configured to route packets received via the dial-up connection that is locally terminated at the mobile station to a peer application that is resident in the mobile station; and in response to receiving at the mobile station via the dial-up connection that is locally terminated at the mobile station an internet protocol message from the computing device, routing the internet protocol message received from the computing device to the peer application that is resident in the mobile station,”

Further, the Applicants submit that Phillips does not overcome at least these shortfalls of Dorenbosch.

Phillips

The Applicants submit that Phillips relates to a method where a TE2 device 102 (e.g., laptop or palmtop computer) connects to a land based network using a wireless communications device MT2 (see Figures 1 & 2 and col. 1, line 58 to col 2, line 14). Further, the Applicants submit that the communication to the land based network is via a CDMA or wide band spread spectrum system (see col. 2, lines 24-36).

The Applicants submit that Phillips does not disclose or suggest at least where claim 1 relates to receiving a command that places a mobile station into a mode in which a dial-up connection between a mobile station and a computing device is locally terminated at the mobile device without involving a cellular network, and configuring an internet protocol stack at the mobile station, where the internet protocol stack is configured to route packets received via the dial-up connection that is locally terminated at the mobile station to a peer application that is resident in the mobile station, and in response to receiving at the mobile station via the dial-up connection that is locally terminated at the mobile station an internet protocol message from the computing

device, routing the internet protocol message received from the computing device to the peer application that is resident in the mobile station.

Further, the Applicants submit that Phillips is seen to relate to a prior art system and its related shortfalls, as described on page 1, lines 16-26 of the application as filed, of which the exemplary embodiments of the invention are at least designed to overcome.

Thus, the Applicants contend that, for at least these reasons, Phillips does not overcome the shortfalls of Dorenbosch, as stated above.

Further, the Applicants submit that none of the references cited overcome the shortfalls of Dorenbosch and Phillips, as stated above.

The Applicants submit that for at least the reasons stated above the references cited do not disclose or suggest claim 1. The Applicants respectfully request that the rejection of claim 1 should be removed and claim 1 be allowed.

In addition, the Applicants submit that, for similar reasons, the foregoing amendments to the independent claims 13 and 25 also place these claims in condition for allowance in view of the references cited. Therefore the Examiner is requested to remove the rejections and allow these claims.

In addition, the Applicants submit that, for at least the reasons stated above, the references cited do not disclose or suggest at least where dependent claim 10 recites in part “where the internet protocol message received from the computing device comprises a communication from a peer application resident in the computing device and where the peer application resident in the computing device and the peer application resident in the mobile station communicate directly with each other via the dial-up connection locally terminated at the mobile station using logical connections between an internet protocol stack at the computing device and the internet protocol stack at the mobile station.” The Applicants respectfully request that the rejection of claim 10 be

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removed and claim 10 be allowed.

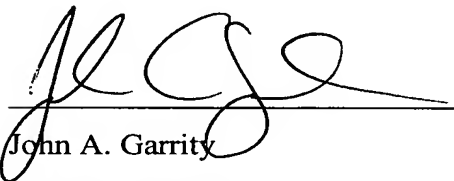
Further, the Applicants submit that for at least the reason that dependent claims 22 and 32 recite features similar to claim 10, as stated above, the rejection of these claims should be removed and these claims should be allowed.

In addition, for at least the reasons that claims 2-10, 14-22, and 26-40 depend from claims 1, 13, and 25, respectively, the rejections of these claims should be removed.

The Applicants respectfully request that, for at least the reasons stated above, the Examiner reconsider and remove the finality of the rejections of claims 1-10, 13-22, and 25-40.

It is noted that, as indicated in the Interview, should any unresolved issue remain the Examiner will call Applicants' attorney to discuss any such issue.

Respectfully submitted:



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